

Substation 1449A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)				<b>Complete If Known</b>	
Sheet	1	of		Application Number	10/007120
				Filing Date	October 26, 2001
				First Named Inventor	Peterka, Petr
				Art Unit	2136
				Examiner Name	COLIN
				Attorney Docket Number	018926-006540US

<b>U.S. PATENT DOCUMENTS+</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number Kind Code <sup>3</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
ee	AA	US-6,041,316	03-21-2000	Allen, Jonathon B.	
	AB	US-			
	AC	US-			
	AD	US-			
	AE	US-			
	AF	US-			
	AG	US-			
	AH	US-			
	AI	US-			
	AJ	US-			
	AK	US-			
	AL	US-			
	AM	US-			
	AN	US-			
	AO	US-			
	AP	US-			
	AQ	US-			
	AR	US-			
	AS	US-			
	AT	US-			

RECEIVED

SEP 30 2003

Technology Center 2100

<b>FOREIGN PATENT DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)	
	AU				<input type="checkbox"/>
	AV				<input type="checkbox"/>
	AW				<input type="checkbox"/>
	AX				<input type="checkbox"/>
	AY				<input type="checkbox"/>
	AZ				<input type="checkbox"/>
	BA				<input type="checkbox"/>
	BB				<input type="checkbox"/>

Examiner Signature	<i>Colin</i>	Date Considered	6-13-05
--------------------	--------------	-----------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Kind Codes of U.S. Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.



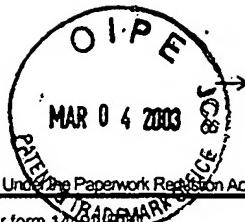
Substitute for form 1100 PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)				<b>Complete if Known</b>	
Sheet	2	of		Application Number	10/007120
				Filing Date	October 26, 2001
				First Named Inventor	Peterka, Petr
				Art Unit	2136
				Examiner Name	COLIN
				Attorney Docket Number	018926-006540US

<b>NON PATENT LITERATURE DOCUMENTS</b>				
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T <sup>2</sup>
	BC			
	BD	<b>RECEIVED</b>		
	BE	SEP 30 2003		
	BF	Technology Center 2100		
	BG			
	BH			
	BI			
	BJ			
	BK			
	BL			
	BM			

Examiner Signature	<i>Carl Cole</i>	Date Considered	6-13-05
--------------------	------------------	-----------------	---------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.



PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449 (1-95)

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

3

of

## Complete If Known

Application Number	10/007120
Filing Date	October 26, 2001
First Named Inventor	Peterka, Petr
Art Unit	2136
Examiner Name	COLIN

Attorney Docket Number 018926-006540US

U.S. PATENT DOCUMENTS					
Examiner	Cite No. <sup>1</sup>	Document Number Number Kind Code <sup>3</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
ce	AA	US-5,748,736	05-05-1998	Suvro Mitra	
ce	AB	US-5,780,198	08-04-1998	Roop et al.	
ce	AC	US-5,659,615	08-19-1997	Douglas Dillon	
	AD	US-			RECEIVED
	AE	US-			MAR 06 2003
	AF	US-			
	AG	US-			Technology Center 2100
	AH	US-			
	AI	US-			
	AJ	US-			
	AK	US-			
	AL	US-			
	AM	US-			
	AN	US-			
	AO	US-			
	AP	US-			
	AQ	US-			
	AR	US-			
	AS	US-			
	AT	US-			

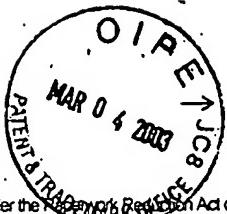
FOREIGN PATENT DOCUMENTS						
Examiner Initials <sup>2</sup>	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code <sup>3</sup>	Number <sup>4</sup> Kind Code <sup>5</sup> (if known)			
ce	AU	EP	0 696 121 A	02-07-1996	AT & T CORP.	
	AV					<input type="checkbox"/>
	AW					<input type="checkbox"/>
	AX					<input type="checkbox"/>
	AY					<input type="checkbox"/>
	AZ					<input type="checkbox"/>
	BA					<input type="checkbox"/>
	BB					<input type="checkbox"/>

Examiner Signature	<i>Carl S. Lee</i>	Date Considered	6-13-05
--------------------	--------------------	-----------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Kind Codes of U.S. Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231  
DE 7096621 v1



PTO/SB/08B (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

4

of

**Complete If Known**

Application Number	10/007120
Filing Date	October 26, 2001
First Named Inventor	Peterka, Petr
Art Unit	2131
Examiner Name	COLIN
Attorney Docket Number	018926-006540US

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
cc	BC	I. CHANG, et al.; Key Management for Secure Internet Multicast using Boolean Function Minimization Techniques; Infocom '99, 18th Annual Joint Conference of the IEEE Computer and Communications Societies, Proceedings, IEEE New York, NY USA, March 21, 1999.	
cc	BD	P.T. DINSMORE et al.; Policy-Based Security Management for Large Dynamic Groups: An Overview of the Doom Project; proceedings of the Darpa speech and Natural Language Workshop, Vol. 1, 1999 IEEE	
cc	BE	J.P. GRAY, et al.; ATM Cell Encryption and Key Update Synchronization; Telecommunication Systems, Basel, CH; Vol. 7, No. 4, 1997; ISSN: 1018-4864	
cc	BF	S. MITTRA; IOLUS: A Framework for Scalable Secure Multicasting; Computer Communications Review, Association for Computing Machinery, New York, US; Vol. 27, No. 4; September 14, 1997; ISSN: 0146-4833	
	BG		
	BH		RECEIVED
	BI		MAR 06 2003
	BJ		Technology Center 2100
	BK		
	BL		
	BM		

Examiner Signature	bal bli	Date Considered	6-13-05
--------------------	---------	-----------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark

Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.  
DE 7096621 v1

**COPY OF PAPERS  
ORIGINALLY FILED**

PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1

of

**Complete if Known**

Application Number	10/007120
Filing Date	October 26, 2000
First Named Inventor	Peterka, Petr
Art Unit	21316
Examiner Name	COLIN

**RECEIVED**

SEP 20 2002

Technology Center 2100

**U.S. PATENT DOCUMENTS**

Examiner	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code <sup>2</sup> (if known)			
cc	AA	US-5,003,384	03-26-1991	Darden et al.	
	AB	US-			
	AC	US-			
	AD	US-			
	AE	US-			
	AF	US-			
	AG	US-			
	AH	US-			
	AI	US-			
	AJ	US-			
	AK	US-			
	AL	US-			
	AM	US-			
	AN	US-			
	AO	US-			
	AP	US-			
	AQ	US-			
	AR	US-			
	AS	US-			
	AT	US-			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
cc	AU	WO	98/43426	A1	10-01-1998	Canal Societe Anonyme	
cc	AV	WO	00/25517	A1	05-04-2000	Koninklijke Philips Electronics N.V.	
cc	AW	WO	99/07150	A1	02-11-1999	Scientific Atlanta, Inc.	
cc	AX	EP	0676897	A2	10-11-1995	Mitsubishi Corporation	
cc	AY	EP	0708561	A2	04-24-1996	General Instrument Corporation	

Examiner  
Signature

*Colin*

Date  
Considered

6-13-05

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

DE 7081425 v1

**COPY OF PAPERS  
ORIGINALLY FILED**

PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet **2**

of \_\_\_\_\_

**Complete if Known**

Application Number	10/007120
Filing Date	October 26, 2001
First Named Inventor	Peterka, Petr
Art Unit	2131
Examiner Name	COLIN Technology Center 2100
Attorney Docket Number	018926-006540US

**RECEIVED**

**SEP 20 2002**

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code <sup>3</sup>	Number <sup>4</sup> Kind Code <sup>5</sup> (if known)			
cc	AZ	EP	0719045 A2	06-26-1996	Mitsubishi Corporation	
	BA					
	BB					

Examiner Signature	<i>Carl E. S.</i>	Date Considered	G-13-05
--------------------	-------------------	-----------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

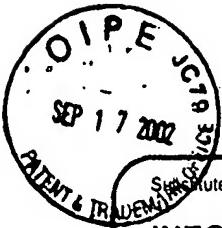
Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231  
DE 7081425 v1

**COPY OF PAPERS  
ORIGINALLY FILED**

PTO/SB/08B (10-01)

Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.



Statute for form 1449B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

3

of

**Complete If Known**

Application Number	10/007120
Filing Date	October 26, 2001
First Named Inventor	Peterka, Petr
Art Unit	2136
Examiner Name	COLIN
Attorney Docket Number	018926-006540US

**RECEIVED**  
SEP 20 2002

Technology Center 2100

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
ee	BC	GUILLOU L.C. et al., Encipherment and Conditional Access, SMPTE Journal, SMPTE Inc., Scarsdale, N.Y., Vol. 103, no. 6, June 1, 1994	
ce	BD	TSUBAKIYAMA H. et al., Security for Information Data Broadcasting System with Conditional Access Control, Global Telecommunications Conference, 1993, including a Communications Theory Mini-Conference, Technical Program Conference Record, IEEE in Houston, Globecom '93, IEEE Houston, TX, pages 184-170, November 29, 1993	
	BE		
	BF		
	BG		
	BH		
	BI		
	BJ		
	BK		
	BL		
	BM		

Examiner Signature

*Colin*

Date Considered

6-13-01

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

DE 7081425 v1